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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

P-457 (TI-0018)

Inventors:

Gjerde et al.

Serial No.:

09/826,055

Filing Date:

April 3, 2001

Examiner:

Jeffrey Siew

Group Art Unit:

1637

Title:

Modifying Double Stranded DNA to Enhance

Separations by Matched Ion Polynucleotide Chromatography

I, Jane Massey Licata, Registration No. 32,257, certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450

On this date: July 25, 2003

Jane Massey Licata, Registration No. 32,257

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(XX) In accordance with §1.97(b), since this Information

Disclosure Statement is being filed either within three

months of the filing date of the above-identified

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application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

- () In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:
 - () Certification in Accordance with §1.97(e) is attached hereto; or
 - () The fee of \$180.00 as set forth in \$1.17(p) is attached.
- () In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I)(1).
- (XX) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith with the exception of BZ, CA, CB, CC, CF and CG. In view of the voluminous nature of these publications and the likelihood that the

Examiner may have a copy available to him or her, a copy has not been included herewith. However, if the Examiner does not have a copy available, Applicant will endeavor to supply one at the Examiner's request.

() In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. ______, filed _______, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

- () The relevance of the listed references in a foreign language is as stated in the specification at pages @@.
- (XX) All listed references are in the English language.

Respectfully submitted,

Jan ross Juck

Jane Massey Licata Registration No. 32,257

Date: <u>July 25, 2003</u> Licata & Tyrrell P.C. 66 E. Main Street Marlton, New Jersey 08053

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List of Patents and Publications
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Filing Date April 3, 2001	Group 1637		

U. S. PATENT DOCUMENTS

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	AA	4,855,255	8-8-89	William Goodhue	437	129
-4	AB	5,656,742	8-12-97	Mead McCabe	536	24.3
	AC	5,522,994	6-4-96	Frechet et al.	210	635
	AD	5,595,726	1-21-97	Magda et al.	424	9.61
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	ВВ	Cooper et al., "An estimate of unique DNA sequence heterozygosity in the human genome", Human Genetics 1985 69:201-205			
	BC	Cotton, R.G.H., "Slowly but surely towards better scanning for mutations", TIG 1997 13(2):43-46			
	BD	H. Engelhardt et al., "Polymer Encapsulated Stationary Phases: Advantages, Properties and Selectives", Chromatographia 1989 27(11/12):535-543			
	BE	Goodwin et al., "Studies on the preparation and characterisation of monodisperse polystyrene latices", Colloid & Polymer Sci. 1974 252:464-471			
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	CC	Gjerde et al., in Ion Chromatography, 2nd Ed. Dr. Alfred Hüthig Verlag Heidelberg 1987	
	CD	Poole, Colin F. and Salwa K. Poole, Chromatography Today, Elsevier: New York 1991 pp. 313-342	
	CE	Snyder R.L. and JJ Kirkland, Introduction to Modern Liquid Chromatography 2nd ed. John Wiley & Sons, Inc.,: New York 1979 pp. 272-278	
	CF	R.K. Iler in The Chemistry of Silica, Solubility, Polymerization, Colloid and Surface Properties, and Biochemistry, John Wiley & Sons: New York 1979	
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